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62.19 Index\*

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**GEORGIA PEACHES**  
*None Finer for the South*

JAN 1 1950  
U. S. Department of Agriculture



*Fruit Trees*  
Flowering Shrubs, Vines  
ROSES

FOR THIS CLIMATE

**SMITH BROS. NURSERY CO.**  
CONCORD, GEORGIA

# To Our Friends

Our very first words will be an expression of appreciation for the kind words you have spoken and written respecting our trees, shrubs, and plants; and, second, we thank you for the patronage which has permitted us to carry on since 1888. It has been, and will continue to be, our earnest desire to merit your continued trade, and to add new people to an ever-widening circle of friends.

In this Catalogue we list the best varieties we can find—those that have proved their worth particularly in the Southeastern States and that we can recommend to you. We shall always strive to send you well-grown trees and plants, packed in a first-class manner, and thus help you to larger and better orchards and more attractive home-grounds.

## Where We Are and What We Are

Half-way between Atlanta and Columbus, on the Southern Railway and on State Route 18. Our 1,600 acres of land are on all sides of us. Latitude and soils are particularly suited to grow nursery stock, and our customers may be sure of getting as good as nature and science can produce.

Continuously in the nursery business over 50 years—now in the third generation—we have been familiar with the intricacies of propagating trees from our boyhood. Millions of trees in thousands of bearing orchards in practically every locality of the South, together with our reputation gained through years of active business, is our guarantee of the high quality of our stock.

## Read Before Ordering

**Our shipping season opens** about November 1, and except for a few of the coldest days, continues uninterruptedly until March 10. Send your order at any time and we will ship when instructed, or at the proper time.

**Packing.** We pack in boxes or bales. Large lots usually go in boxes and small shipments in bales. We use only the best of materials in packing and our workmen are thoroughly trained to the work. We are well prepared to handle your orders, large or small.

**Our terms to those with whom we have had no previous dealings are cash with the order, or before shipment.** Large buyers may, with advantage, send us lists of their wants for suggestions as to cost, etc.

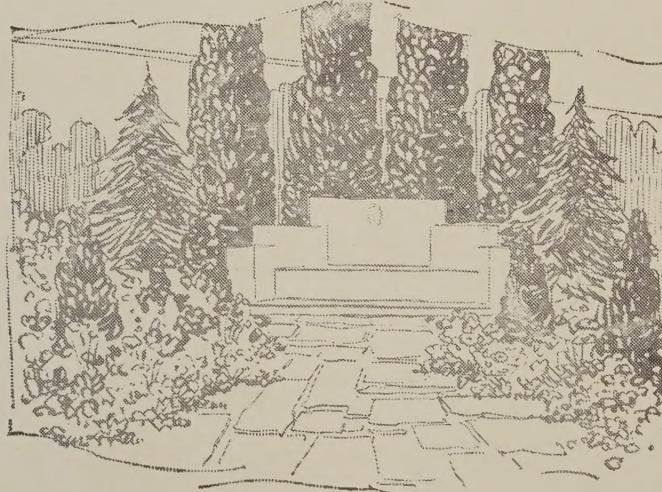
**Our responsibility.** We refer by permission to The Concord Banking Company of this place, to The Citizens and Southern Bank of Atlanta, Ga., and to the Commercial Directories.

**Our guarantee.** We guarantee all our stock to be healthy and true to name and will refund money or replace any trees that may prove otherwise, but it is mutually agreed between ourselves and every purchaser that we are not liable for any amount greater than the price paid for the goods.

It is our standard guarantee to replace at half price any trees which die the first year. We deliver our trees to the transportation companies in good condition and well packed, and if they are properly cared for on arrival, they should all live.

**We are but human** and with all our care may make mistakes, which we are glad to correct on notification, but we must ask to be advised within 30 days from the receipt of the stock of any claim to be made on any account, after which time we cannot consider them.

**Every shipment** is accompanied by the official certificate of the State Entomologist, certifying that the stock has been inspected and is free from yellows, San Jose scale, and other dangerous insects and diseases. We fumigate all stock before shipping.



IT'S NOT A HOME UNTIL IT'S PLANTED



## Foreword

IN EVERY community there are houses of wood, of brick, and of stone. People live in such houses year after year, but they are houses only. They lack the surroundings of real homes. Shade trees, evergreens, flowering shrubs, roses have a part, and a large part, in making the real homes that are the joy of all true citizens.

Progressive and home-loving people make the surroundings of the house a place of quiet, restful beauty. They have realized the importance of proper planting of the grounds, and the phrase "It's not a Home until it's Planted" has been adopted and put into practice by thousands of home-owners in America. Comfort and beauty continue to pay large dividends, even though other investments slip away.

Fortunately, we have been able to assist in the movement to make America "More Beautiful and Fruitful." Since 1888 we have supplied progressive planters with the materials needed to transform a house into a home. Each year we have endeavored to improve our production methods and thus improve the quality of the trees and shrubs offered. Our customers tell us we have succeeded—and our customers are critical and capable judges.

While this Catalogue is not large in size or number of pages, you may rest assured that all items listed are the best that can be produced, that our prices are reasonable, and that our service is unsurpassed. We shall be happy to serve you at any time.

**SMITH BROS. NURSERY CO.  
CONCORD . GEORGIA**



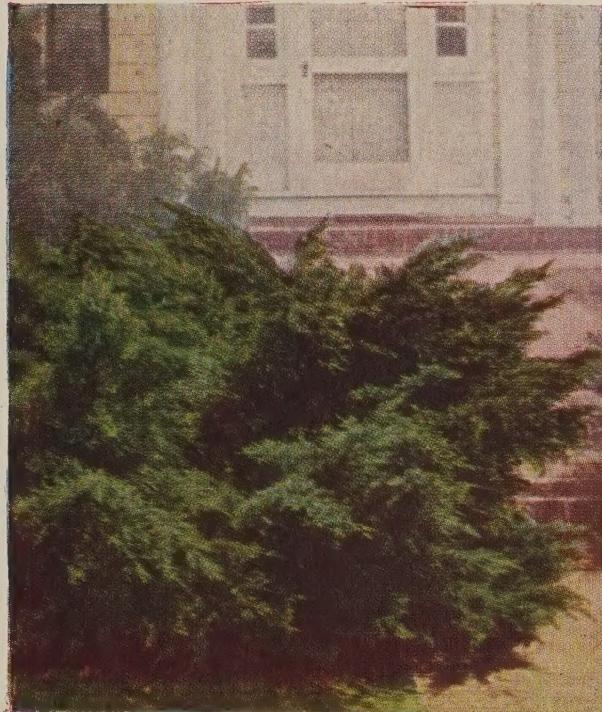
## Coniferous Evergreens

No matter how small or how large your home-grounds may be, Evergreens are indispensable. You may use them as a low hedge or a tall screen; as a shelter from strong winds or to temper the hot rays of a summer sun. Low-growing Evergreens, like Pfitzer's Juniper or Globe Arborvitæ, are useful in foundation plantings and to border walks and drives. The different kinds presented in this department are suited to southern conditions, and will be increasing joy to the person who becomes the owner.

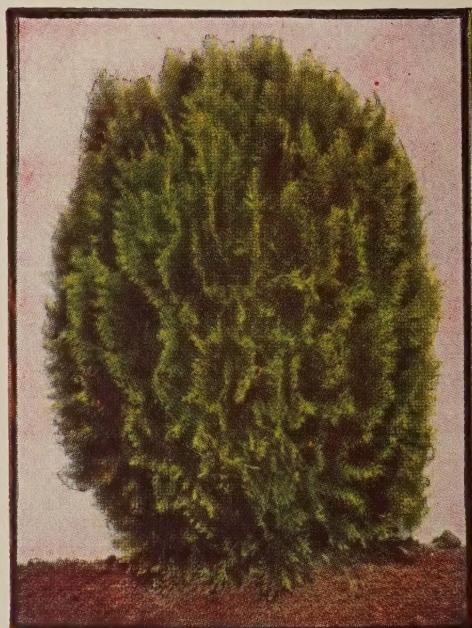
### CEDAR • *Cedrus*

**MOUNT ATLAS CEDAR.** *Cedrus atlantica*. The dark green foliage, combined with the pyramidal form of the tree, makes this one of the most graceful evergreens, showing best when used as a single specimen.

**DEODAR CEDAR.** *C. deodara*. Brought some years ago from Asia, this variety rivals in beauty the famous Colorado Blue Spruce. It is especially useful for specimen plantings where its color and drooping branches contrast with the upright-growing, dark-foliaged evergreens. At the holiday season it frequently is decorated with electric lights and thus made into a living Christmas tree.



Pfitzer's Juniper. See page 6



Berckman's Golden Arborvitæ. See page 7

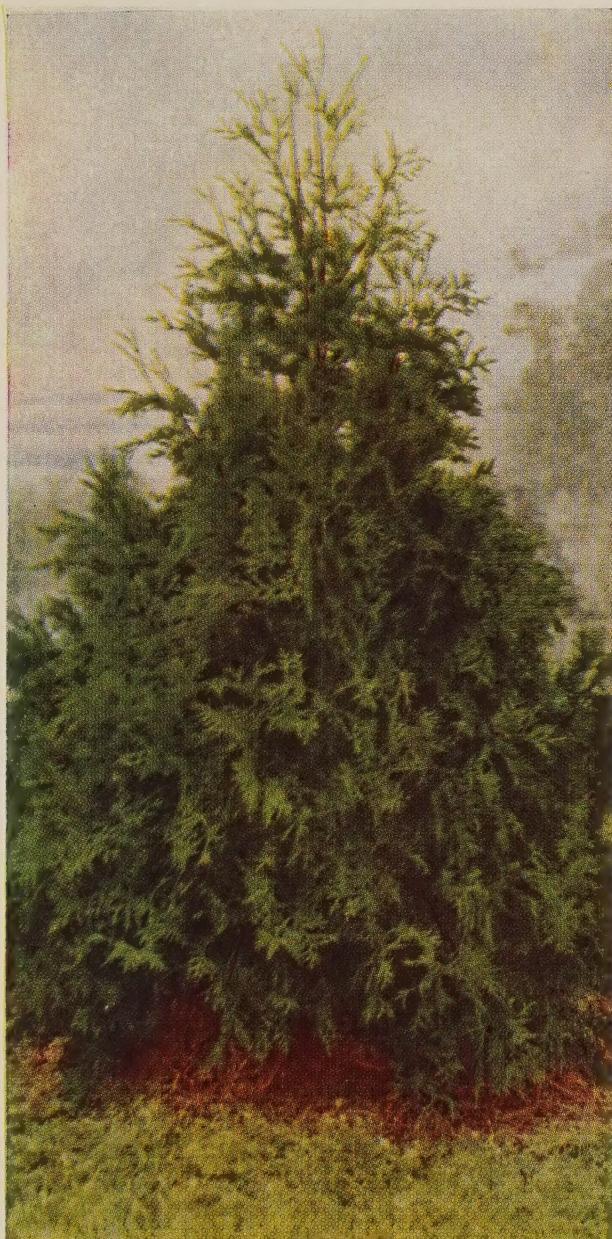
## CHAMAECYPARIS

### Retinospora

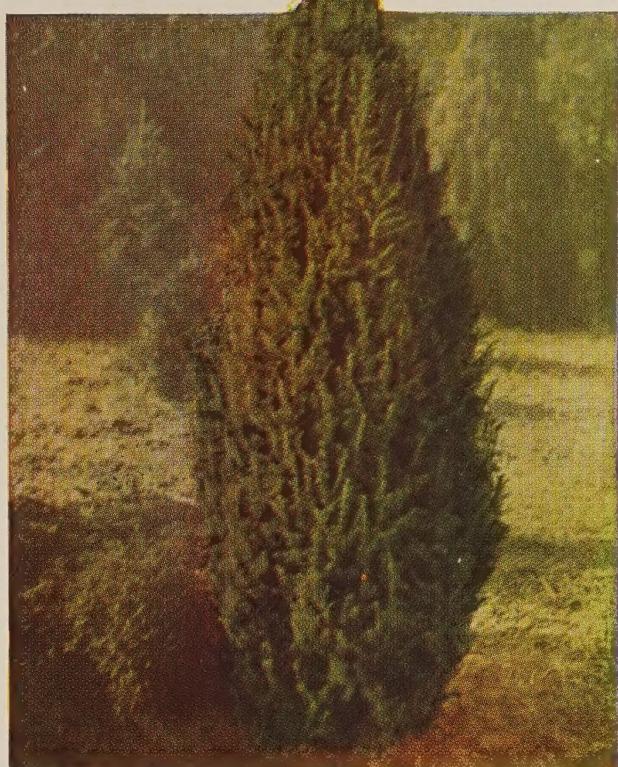
**PLUME RETINOSPORA.** *Chamaecyparis pisifera plumosa.* Soft, feathery foliage, bluish green above and silvery underneath. Forms a dense cone of fine texture and eventually reaches a height of 35 to 40 feet. The natural shape is very graceful but the tree stands shearing well and may be kept trimmed to any size desired. This is one of the most useful of all evergreens, for it lends itself to many situations. It makes a fine lawn specimen or hedge. Worthy of extensive planting.

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*The right evergreen in the right place  
is a pleasant thing to see*



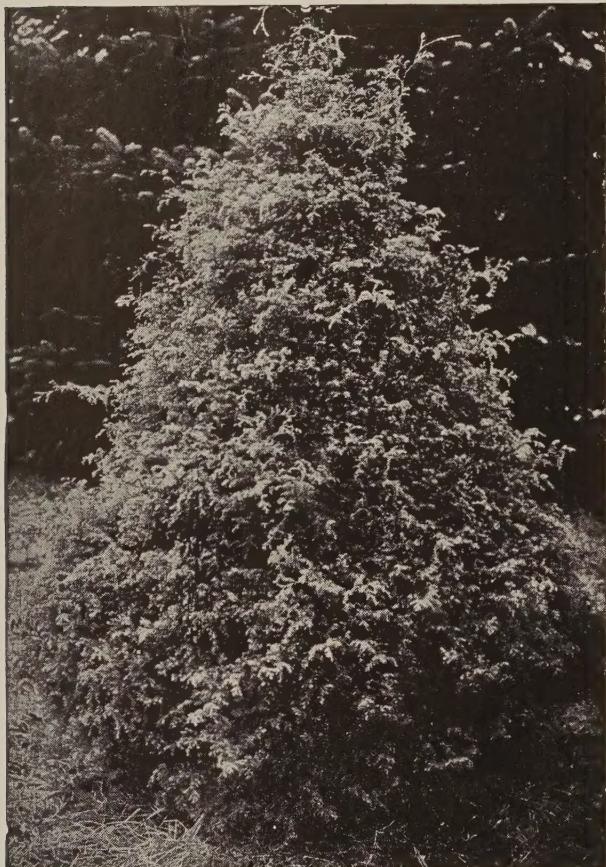
American Arborvitæ. See page 7



Irish Juniper. See page 6



Plume Retinospora



Moss Retinospora

#### CHAMAECYPARIS, continued

**MOSS RETINOSPORA. *C. pisifera squarrosa veitchii*.** The foliage of this variety has a bluish gray color, quite distinctive in evergreen plantings. It should be given careful attention until well established, but the effort is well rewarded by the beauty of the mature specimen.

#### CUNNINGHAMIA

**CHINA FIR. *Cunninghamia lanceolata*.** A large evergreen which is extremely useful in background plantings, where its form sets off to best advantage the lower specimens. Rapid grower, often reaching a height of 35 feet.

#### CUPRESSUS . Cypress

**ITALIAN CYPRESS. *Cupressus sempervirens*.** A tall, slender tree that resembles a narrow green column. Because of this form it is valuable in landscape plantings. Grows to 25 to 30 feet high.

Write us about your planting problems. We believe we can offer suggestions of value

#### JUNIPER . Juniperus

**PFITZER'S JUNIPER. *Juniperus chinensis pfitzeriana*.** Green foliage slightly tinged with blue. Extensively used in foundation plantings, for it rapidly makes a low, bushy growth. Very robust and is easily trimmed. Specimens sometimes reach 20 feet in diameter. Ideal for many uses, for it stands both shade and full sun. The most widely planted of all Junipers.

**IRISH JUNIPER. *J. communis hibernica*.** A slender, upright-growing variety that is always found in formal plantings. It has a distinctive bluish green foliage. It survives cold weather in southern sections, but in the Carolinas and farther north it should be protected from severe winds. See color on page 5.

**SPINY GREEK JUNIPER. *J. excelsa stricta*.** Because of its conical habit, its dense bluish green foliage, and its slow growth, this is one of the finest ornamental forms of the Juniper. It has especial value in rock-garden work and as a specimen in low foundation plantings. Smaller sizes are useful in window boxes.

**SAVIN JUNIPER. *J. sabina*.** This variety is very hardy and thrives in city smoke and other difficult locations. The foliage is dark green, on long, spreading branches. Grows from 2 to 3 feet high. Makes a splendid border for larger evergreens and also does well on steep slopes. Not particular as to soil conditions.



China Fir (*Cunninghamia lanceolata*)



Globe Arborvitae ready to ship

### THUJA · Arborvitae

**AMERICAN ARBORVITÆ.** *Thuja occidentalis*. A native evergreen which can be transplanted readily, will thrive under adverse conditions, and may be used for specimen planting or in hedges. In general habit it is conical, growing to a height of about 20 feet. It may, however, be clipped to the height of a standard hedge. The foliage is deep green.

**GLOBE ARBORVITÆ.** *T. occidentalis globosa*. A globe-shaped form especially useful in border plantings and as a specimen at curves in walk or road. The foliage in color and form is similar to the upright type.

**AMERICAN PYRAMIDAL ARBORVITÆ.** *T. occidentalis pyramidalis*. Naturally pyramidal in habit of growth and retains the form without shearing. For corner groups, plantings in front of pillars, or the background of group plantings, it is one of the most valuable evergreens.

**CHINESE ARBORVITÆ.** *T. orientalis*. Introduced from the Orient and is of more open habit than the American forms. Foliage is light green. The tree eventually grows to about 20 feet, but may be kept to any height by clipping.

**BERCKMAN'S GOLDEN ARBORVITÆ.** *T. orientalis aurea nana*. A beautiful evergreen having golden tipped foliage, with the rest of the leaf a soft green. It can be used as a specimen in tubs or large pots and can be sheared readily to any desired shape. Can also be used in any general planting where its compact, bushy habit and distinctive coloring are desirable. Ultimate height is 4 to 6 feet. Illustrated in color on page 4.

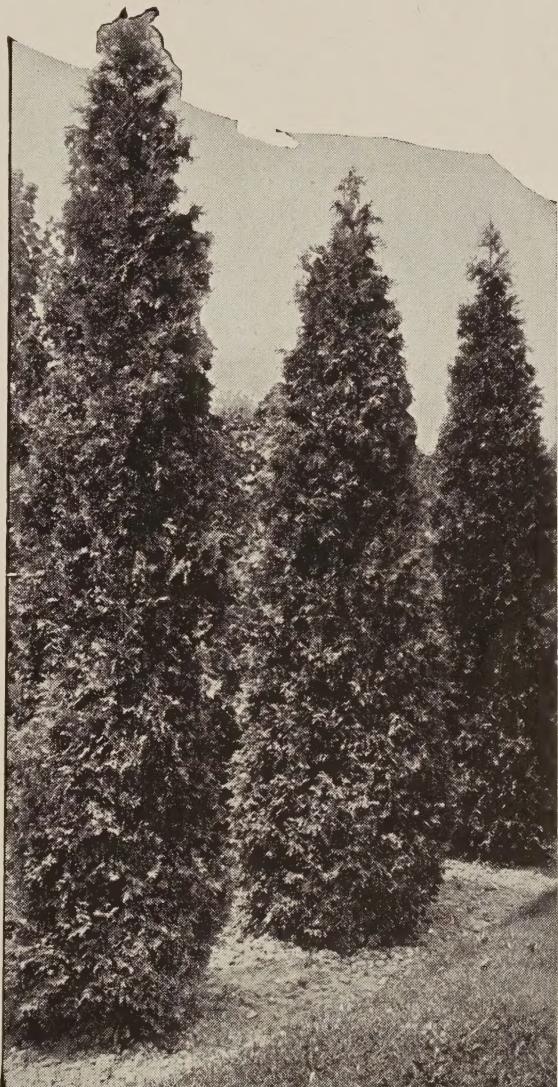
### THUJA, continued

**GOLDSPIRE ARBORVITÆ.** *T. orientalis aurea conspicua*. A rapidly growing form similar to Berckman's Golden Arborvitæ in coloring, but more pyramidal in shape and with quite light green foliage.

**BAKER'S PYRAMIDAL ARBORVITÆ.** *T. orientalis bakeri*. This relatively new introduction has clean, bright green foliage that makes it especially valuable in any planting where a pyramidal form is desired.

**COMPACT ARBORVITÆ.** *T. orientalis compacta*. A small, globe-headed form with rich green foliage; ultimate height 2 to 3 feet.

"It's not a Home until it's Planted" is good, hard, common sense. Trees, shrubs, and flowering plants add to the actual value of the property as well as make it more comfortable and attractive to the family. You will find some planting helps on pages 30 and 31, or you may write us for definite suggestions.



American Pyramidal Arborvitæ



### Abelia grandiflora

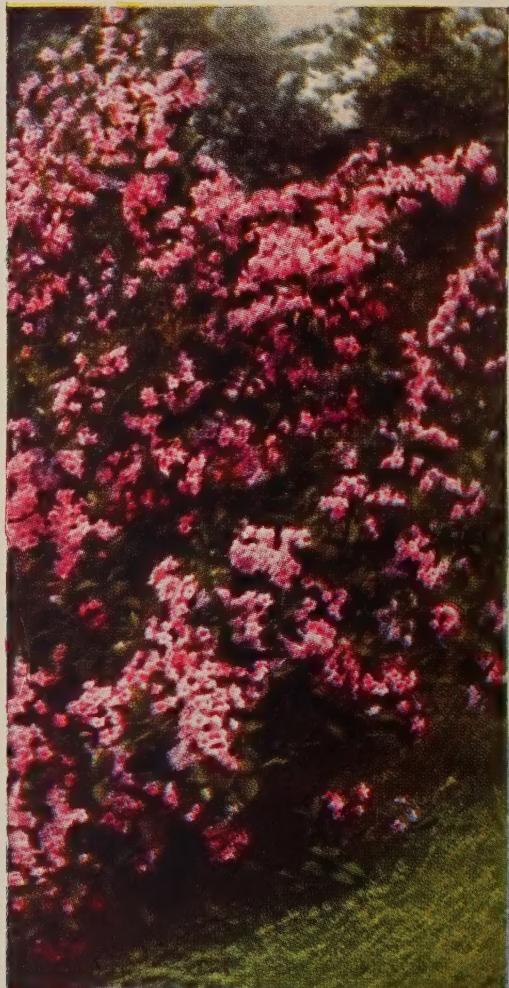
Sometimes called "Arbutus Bush," as the flowers resemble those of arbutus. The blooms, which are white flushed with pink, appear in May and continue into late fall. The dark green, glossy leaves take on a bronzy luster after frost. Abelia makes a splendid ornamental hedge and is equally good as a specimen. Stands shearing well.



Nandina domestica (Heavenly Bamboo). See page 10



Anthony Waterer Spirea  
See page 14



Weigela rosea. See page 14

This free-flowering shrub should be widely planted. Its lovely pink blooms are produced on a 6-foot plant.

# Broadleaf Evergreens

No part of our country has so great a group of Broadleaf Evergreens as the Southern States. They serve the purpose of tying trees in with lower plants and forming a background for bright-flowered species. But more than this, their foliage and flowers and berries are attractive in themselves the year round. They are useful as hedges and screens and borders—in fact, it is impossible to imagine any home planting that could not be vastly improved by the use of broad-leaved evergreen shrubs. Many varieties thrive in full sun, others prefer partial or complete shade; whatever the situation, there is a shrub to suit it. No grounds have too many, and few have enough.

## BOXWOOD • *Buxus*

**COMMON BOXWOOD.** *Buxus sempervirens*. Shining, bluish evergreen foliage on a closely branched plant. One of the most useful low shrubs for an ornamental hedge, for edging walks, drives, and garden paths. It grows particularly well in our southern territory.

**TREE BOXWOOD.** *B. sempervirens arborescens*. A rounded form with glossy bright green leaves. Very useful in formal plantings. It thrives in well-drained soils but should be protected against extreme heat or cold. Grows to a height of about 15 feet. Loose, graceful habit.

**DWARF BOXWOOD.** *B. sempervirens suffruticosa*. Similar to the Tree Boxwood except that it rarely exceeds 4 feet in height and leaves are more velvety in texture. It may be used for low hedges, borders, and in window-boxes. Especially recommended for edging rose beds. Stands clipping very well. Very slow in growth.

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There are many shrubs that make desirable hedges. Some of these are listed on pages 11 to 14.

## ABELIA

**ABELIA GRANDIFLORA.** One of the most popular and satisfactory broad-leaved evergreens for the South. The plant grows in gracefully arching form and bears clusters of pinkish white flowers all summer and fall. The glossy green foliage turns purplish bronze as the season advances. Makes a very good foundation plant and combines well with other evergreens.

## CAMELLIA

**CAMELLIA JAPONICA.** An aristocratic shrub that has been growing in southern gardens for more than a hundred years under the name of Japonica. These broad-leaved evergreens grow to be large specimens needing 8 to 10 feet of space. Flowers come in a variety of forms, from single to semi-double, full double and peony type, in various shades of red, rose, pink, and white as well as variegated. They bloom from Christmas to spring. Half shade is the preferred location for the plants, and a moist atmosphere is necessary. Fairly acid soil and a situation protected from the wind, with good soil drainage and adequate plant food, are further requirements. Not recommended north of Atlanta and Birmingham.



*Ilex Burfordi.* See page 10



*Forsythia.* See page 12

**GARDENIA . Jasmine**

**CAPE JASMINE.** *Gardenia florida.* Noted for the large, pure white flowers which are extremely fragrant. It is also popular because of the glossy rich green foliage which is retained throughout the year.

**ILEX . Holly**

**CHINESE HOLLY.** *Ilex cornuta.* Shiny light green foliage with four sharp points and a spiny tip on each leaf. Scarlet berries loosely scattered along the stem.

**ILEX BURFORDI.** An improved and hardy Holly, with great quantities of large, bright red berries and dense, glossy foliage.

**LAUREL . Laurocerasus**

**CAROLINA CHERRY.** *Laurocerasus caroliniana.* A valuable shrub with beautiful shiny evergreen foliage, fitting well into any background planting. The plant is hardy and thrives in any ordinary, well-drained soil. It will also stand trimming well.

**ENGLISH LAUREL.** *L. officinalis.* Quite similar to the Carolina Cherry Laurel but has larger leaves and is not quite so vigorous a grower. Spikes of white flowers are produced when the plants are several years old.

**OSMANTHUS**

**SWEET OLIVE or TEA OLIVE.** *Osmanthus fragrans.* Evergreen shrub or small tree with glossy foliage and small white flowers, with a pleasing fragrance. Long blooming period in the spring.



Privet (*Ligustrum japonicum*)

**PRIVET . Ligustrum**

**JAPANESE PRIVET.** *Ligustrum japonicum.* A rapid-growing, upright shrub with dense, dark green foliage that makes the plant a solid green from the ground to the tips of the branches. Pretty white flowers are borne in panicles in the spring, followed by blue-black berries. Ultimate height is 10 to 15 feet, but plants may be pruned to any desired height or form.

**LUCIDUM PRIVET.** *L. lucidum.* Similar to the Japanese Privet except that the leaves are larger and thicker, while the flowers are less conspicuous. This form makes an ideal evergreen foliage plant for foundation plantings.

**MAGNOLIA**

**SOUTHERN MAGNOLIA.** *Magnolia grandiflora.* The evergreen Magnolia of the South with large, glossy green leaves. Trees are pyramidal in outline and often grow 80 feet tall. Beautiful waxy white flowers are borne in the early summer and followed by large cones full of red seed in the fall. It is one of the best Southern ornamental trees, prized both as a shade tree and for its handsome blooms.

**NANDINA**

**HEAVENLY BAMBOO.** *Nandina domestica.* One of the most interesting evergreens because of its change of color from green, tinted with pink in the summer, to a beautiful red color intensified by showy clusters of red berries in the winter. It is quite hardy and grows well in shade. Excellent plant for the South. See color illustration on page 8.

**PHOTINIA**

**EVERGREEN PHOTINIA.** *Photinia serrulata.* Another Broadleaf which is especially interesting and useful because of its change in color from a deep green in summer to a crimson-bronze in the winter when showy masses of red berries also appear. The flowers are white and appear early in the spring. It reaches an ultimate height of 10 to 15 feet but may be kept trimmed. A very useful plant for group plantings where a bit of color in winter is desired.

**THEA . Tea**

**TEA PLANT.** *Thea sinensis.* Another Broadleaf with that beautiful dark green foliage which is so characteristic of the class. This form is especially to be recommended for mass plantings. Attractive fragrant white blossoms in the fall. A hardy evergreen that does especially well in moist, shady places.



## Flowering Shrubs

From the first warm morning in spring when the Forsythia shows its flowers of gold, to the frosty fall days when the Hydrangea turns to red and brown, you can enjoy the beauties of flowering shrubs. Color, fragrance, hardiness, and quick growth unite to make these plants attractive in every well-planned landscape, whether small or large. The original cost is small compared to the value and interest, increasing year by year, which some flowering shrubs will add to your home grounds.

### BARBERRY . *Berberis*

**SARGENT BARBERRY.** *Berberis sargentiana.* An evergreen form of the familiar Japanese Barberry except that the leaves are smaller and the plant is more compact in growth. There are many small flowers in summer, followed by bright red berries which remain all winter.

**JAPANESE BARBERRY.** *B. thunbergi.* The greatest hedge-plant for city use, as the thorny branches will turn cats and dogs, and small boys dislike the scratches that come from contact. In summer the foliage is deep green, changing in autumn to bright red. The fruits are scarlet and remain until spring.

**PURPLE-LEAVED BARBERRY.** *B. vulgaris atropurpurea.* Foliage rich bronzed, changing to purple, and holding the color until late autumn. Valuable for color contrast in shrub plantings.

### SWEET-SHRUB . *Calycanthus*

**SWEET-SHRUB.** *Calycanthus floridus.* A rather tall-growing shrub with large, regular leaves. Chocolate-colored flowers appear in June, which are very fragrant and spicy when crushed in the hand. Large pods filled with smooth brown seeds follow the flowers. The plant is neat in growth, with glossy foliage. Grows 4 to 5 feet tall.

### DOGWOOD . *Cornus*

**WHITE-FLOWERING DOGWOOD.** *Cornus florida.* An American shrub or small tree which bears a profusion of exquisite white flowers in the spring, even before the leaves appear. The branches are horizontal, and the blooms are carried flat upon them, followed by bright scarlet fruits in the fall. They are beautiful as specimens on the small lot or for mass planting on large lawns. To secure best results they must be given especial care the first year.

**PINK -FLOWERING DOGWOOD.** *C. florida rubra.* Similar to the above, but flowers are deep pink. One of our outstanding flowering trees that makes a magnificent picture when in bloom. Does well in shade.

### DEUTZIA

**PRIDE OF ROCHESTER.** There are few shrubs that are so easy to grow and yet give such beautiful effects in masses of soft white flowers, as the Deutzias. This variety is one of the tallest and best, with especially large flowers that appear in July and have just a suggestion of pink on the backs of the petals.

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*Shrubs will fill that space between trees and low-growing flowers*

## GOLDEN BELL • Forsythia

**GOLDEN BELL.** *Forsythia suspensa*. The favorite shrub with its masses of bright yellow, bell-shaped flowers that appear early in the spring and give a first touch of color to a landscape planting. This shrub may be used as a specimen, in a group, or even as a hedge to give the beauty of its flowers in spring and provide a restful note in its rich green foliage throughout the rest of the growing season.

## HIBISCUS • Althea

### ROSE OF SHARON. *Hibiscus syriacus*.

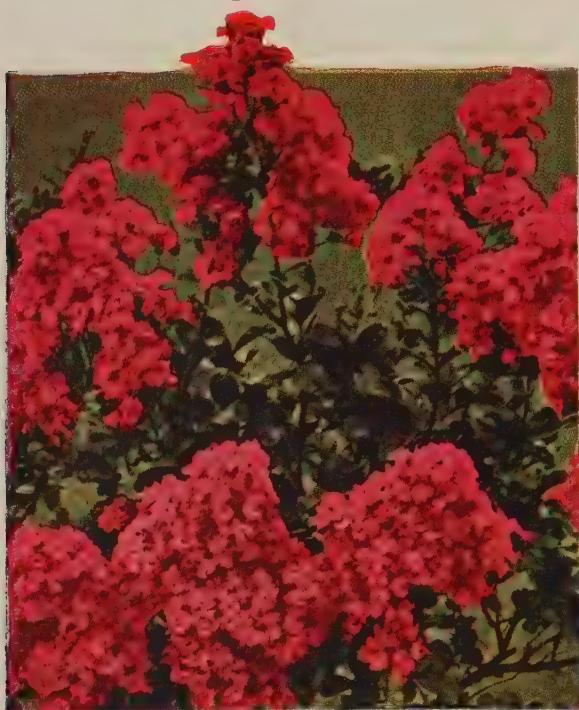
Another shrub which is very useful either as a specimen, in a border, or as a background where its sturdy growth and beautiful single or semi-double flowers that appear in late July and August are valuable additions to any landscape plantings. We can supply this shrub in varieties having Red, White, or Pink flowers.

## HYDRANGEA

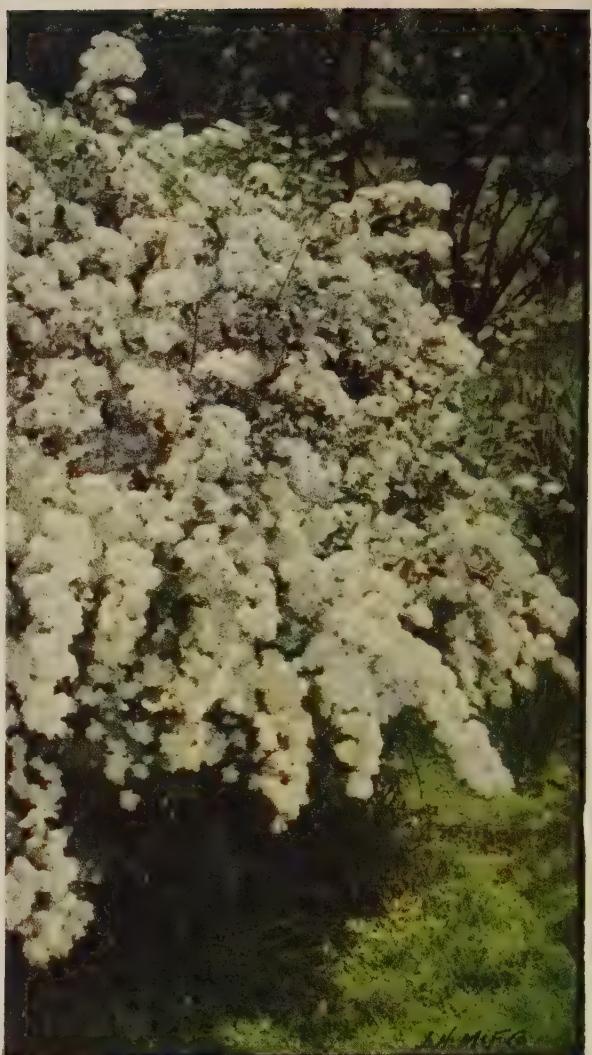
**PEE GEE HYDRANGEA.** *Hydrangea paniculata grandiflora*. Unquestionably the most popular form of Hydrangea and should be included in every garden or landscape planting. The large, white flowers remain on the plant for a long time, and turn to unusual shades of pink and red as they age. Severe pruning each spring helps to produce large flowers.

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Why not refurbish your garden by doing away with some of the old overgrown shrubs and substituting new material?



Crape Myrtle



Van Houtte's Spirea. See page 14

## JASMINE • Jasminum

### WINTER JASMINE. *Jasminum nudiflorum*.

A hardy, graceful, low-growing shrub that will thrive in cool, shady locations where many other shrubs will not grow. Clear yellow flowers come in January and February before the leaves begin to appear, which makes it valuable in landscape plantings to provide color in the early spring. The foliage is a bright green and quite dense.

## CRAPE MYRTLE Lagerstroemia

### CRAPE MYRTLE. *Lagerstroemia indica*.

One of the truly southern shrubs which grows to considerable size, with beautiful dark green, glossy leaves turning bright orange in the fall, and flowers that appear in showy clusters from midsummer until fall. We are offering this shrub in Red-, Pink-, Purple-, and White-flowering types.

## FLOWERING PEACH

A small tree which blooms in March with a mass of beautifully formed and highly colored large double flowers. We can furnish this in Red, Pink or White.

## HONEYSUCKLE • Lonicera

**CHRISTMAS HONEYSUCKLE.** *Lonicera fragrantissima*. A large, spreading shrub with fine foliage that is almost evergreen in this climate. The fragrant, white flowers appear very early in the spring.

## MOCK-ORANGE

*Philadelphus*

**SWEET MOCK-ORANGE.** *Philadelphus coronarius*. Tall-growing in habit, with upright branches, this fine shrub also bears a profusion of very large, showy, fragrant flowers in May and June but is valuable all summer for its clear, dark green foliage. An entire hedge is often planted of this shrub, especially in partially shaded locations where it will do very well.

## FLOWERING CRAB

**BECHTEL'S FLOWERING CRAB.** *Malus ioensis plena*. Blooms in early spring, with the unfolding leaves. Flowers double, about 2 inches across, and the clusters resemble small pink roses. A desirable lawn tree.

## LILAC • Syringa

**COMMON LILAC.** *Syringa vulgaris*. This old familiar shrub is known to everyone. We have four colors—White, Purple, Pink, Lilac. In ordering, please indicate the color you desire.



Common Lilacs



Japanese Barberry. See page 11



Common Snowball

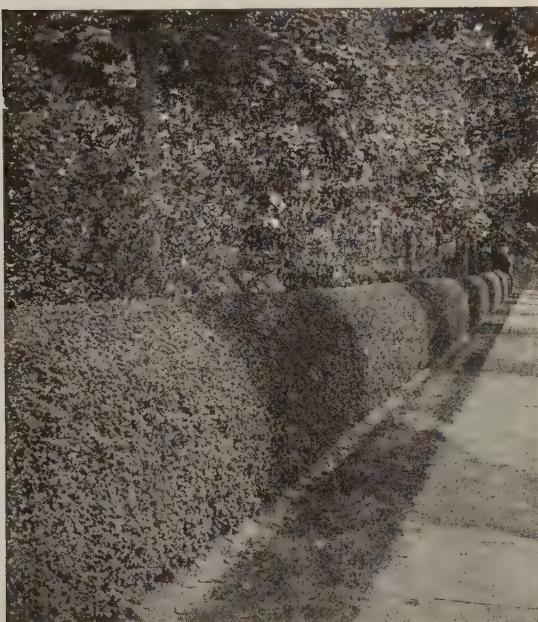
**SNOWBALL • Viburnum**

**COMMON SNOWBALL.** *Viburnum opulus sterile.* The large, ball-shaped clusters of white flowers are familiar sights in spring. Plant grows to considerable size at maturity and thrives in partial shade as well as in the open sun.

**WEIGELA**

**EVA RATHKE.** The flowers are rich reddish purple, quite showy, and differ strongly from other varieties. Plant is a vigorous grower and desirable for the flowering shrub border.

**PINK.** *Weigela rosea.* Similar to the preceding, except flowers are bright pink.



Privet Hedge

**SPIRAEA • Spirea**

**ANTHONY WATERER SPIREA.** Bright crimson flowers in broad, flat heads. If the bloom clusters are clipped, the plant will continue to flower until late autumn. It makes a picturesque low hedge about 3 feet high and is desirable in massed shrub plantings.

**THUNBERG'S SPIREA.** *Spiraea thunbergii.* The habit of growth is more upright than the other varieties, and the foliage is light and feathery. White flowers are carried freely in the spring. The green foliage changes in the fall to orange or scarlet.

**VAN HOUTTE'S SPIREA.** *S. vanhouttei.* The well-known Bridal Wreath and the most popular variety for flowering hedges. Foliage bluish green, on arching branches. Pure white flowers in spring. A hardy plant growing 6 feet tall. Very showy.

**DESIRABLE SHRUBS FOR HEDGE PURPOSES**

**AMOOR RIVER PRIVET.** *Ligustrum amurense.* The best variety for the South. It holds its foliage nearly all winter, and thrives in most soils. The foliage is dark green and the white flowers are in upright panicles. Can be trimmed to any height or form.

**CALIFORNIA PRIVET.** *L. ovalifolium.* The variety most commonly seen, as it has been in use for years. It is not evergreen, but drops the foliage in late fall or mid-winter. New glossy green leaves come in early spring. Useful for tall screens.

# Shade Trees

## POPLAR, continued

### LOMBARDY POPLAR. *P. nigra italicica.*

An ornamental and picturesque tree; graceful, slender, and upright in form. The leaves are small and triangular in shape. This species grows rapidly and should be used in all formal and general landscape plantings where the charm of a beautiful tree is desired.



Lombardy Poplars

## MAPLE . Acer

**SILVER MAPLE.** *Acer dasycarpum.* The foliage of this splendid, round-headed tree is light green above and silvery beneath. Tree grows very rapidly and does best in rich, moist soils although it can be planted anywhere except in dry locations where it will soon perish unless watered frequently. It makes an ideal tree for street planting between the curb and sidewalk.

## UMBRELLA TREE . Melia

**TEXAS UMBRELLA.** *Melia azedarach umbraculiformis.* An umbrella-shaped tree with large leaves borne in a dense head at the top of a clean, straight stem. It is quite hardy in this climate, grows rapidly, and makes an ideal tree for lawn planting.

## POPLAR . Populus

**CAROLINA POPLAR.** *Populus eugenei.* A distinctive type of Poplar of a rather pyramidal shape, which makes it very useful in a planting designed as a screen. It grows rapidly and the large, glossy leaves are a rich green color.

*You will not be disappointed in our  
nursery stock*

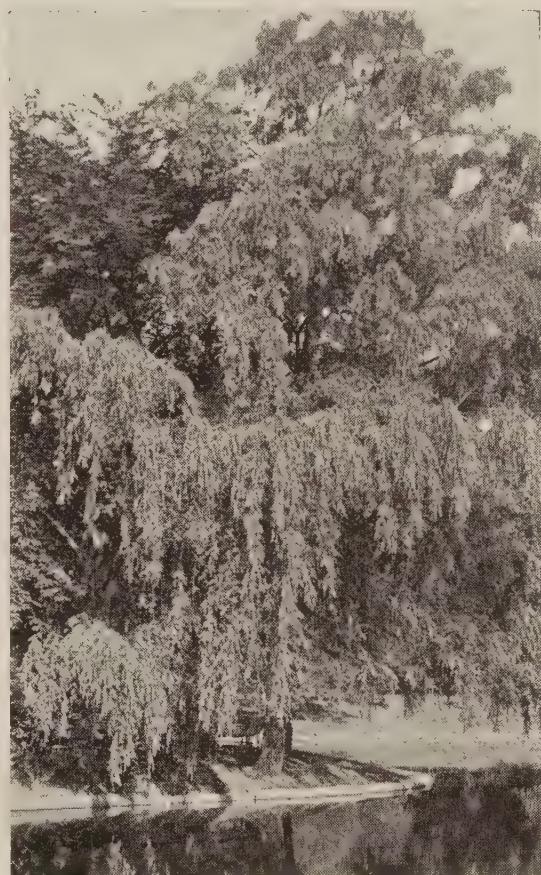
## WILLOW . Salix

### WEEPING WILLOW. *Salix babylonica.*

A familiar tree growing along river-banks or in moist places, and with its long, drooping branches seems to have a weeping effect. The foliage is silvery green and very feathery, and the stems of the young growth are a deep yellow. It is a very beautiful tree which is easily transplanted.

## ELM . Ulmus

**CHINESE ELM.** *Ulmus parvifolia.* The finest Elm for use in the South. Its tall, stately growth and fine foliage make it of unusual value as a shade tree. Very fast growing.



Weeping Willow



**Delicious Apple**

### Selection of Varieties

There are thousands of varieties of Apples, Peaches, Pears, and other fruits. Many are excellent, some fair, and some nearly worthless. A long list of varieties is useless and tends to puzzle the buyer as to what to plant.

A few of the choicest, ripening throughout the season, is much better. Therefore, we list a limited number of select varieties which, after nearly 60 years of experience and observation, we consider the best.

For commercial orchards the best market sorts should be used and we will furnish special information on request.

**Grimes' Golden Apple (Top)**  
**Stayman Winesap Apple (Bottom)**



**YORK IMPERIAL APPLE**  
A superb sort for the home-garden  
or commercial orchard



**YELLOW TRANSPARENT APPLE**



## APPLES for Home-Gardens and Orchards

**T**HIS delicious fruit can be grown easily in the home-garden. The trees are ornamental and useful; they need comparatively little care yet return a liberal reward if they are properly sprayed and pruned.

Apples thrive best on moist, rich soil; bottomland is ideal, but where this is not available use the best upland, and if not already rich, make it so, as Apples will not be a success on thin, poor soil. First, the land should be well plowed; then mark off where trees are to stand; dig a hole 3 feet wide and 1 foot deep; fill this about half full of top-soil; then put in a half bushel of rotted stable or lot manure and mix thoroughly with soil; then set in the tree, taking note that it should be slightly deeper than in the nursery after planting is finished. Fill up with top-soil, firming with the foot, and we advise banking up a few inches, to counteract settling, to prevent baking and to make culture easy. As soon as planted, cut trees back to 2 to  $2\frac{1}{2}$  feet above ground, leaving 3 or 4 sprouts near the top to make limbs.

If domestic fertilizer is not available, a good substitute will be found in bonemeal, cotton-seed meal, dried blood, tankage, or fish-scrap; any one of these will answer alone but two or more mixed would be better. Use 1 pound of any of the above materials for each hole. Never use guano, nitrate of soda, or other caustic materials, as they will kill your trees. After the first year these can be applied on the surface and worked in to good advantage.

Cultivate around trees after every rain and plant in between rows with cotton, peas, beans, or other similar crops. Never plant corn or small grain in the orchard.

Apples need to be sprayed when in bloom to control codling moth, and later to control fungus on leaf and fruit and to prevent worms and rot. Your State Entomologist will supply you a spray calendar for the asking and will advise you where to get spraying materials at nearest point to you.

## SUMMER APPLES

These varieties have been selected by us through many years of careful experience. We can recommend them as among the very best, and especially suited to the Middle and Southern States.

**ALL SUMMER.** June, July, and August, thus giving fruit from the same tree all summer, which suggests the name. Fruit is medium size; beautiful red color. Is recommended for garden or orchard, but not for commercial planting.

**CAROLINA RED JUNE.** June. Medium size, conical; dark red; flesh tender, with a mild, subacid flavor. Very productive and a splendid eating Apple.

**EARLY HARVEST.** Middle of June. Medium to large, roundish oblate; pale yellow; rich, sprightly flavor. A valuable home-market variety.

**HORSE.** July and early August. Large, oblate-conical; yellow, occasional blush next to sun; subacid and good. Very popular for cooking, drying, and cider.

**KANSAS QUEEN.** July and August. Large; skin yellow, nearly covered with crimson; flesh tender and of excellent quality. Reliable and productive. Especially recommended for the sandy soils through the lower part of the Cotton Belt.

**YELLOW TRANSPARENT.** Early June. Size medium; light yellow, smooth, waxy surface; flesh white, melting and of excellent quality for an early Apple. An exceptionally good keeper and shipper. Tree of dwarfish habit and bears very young. One of the finest summer Apples.

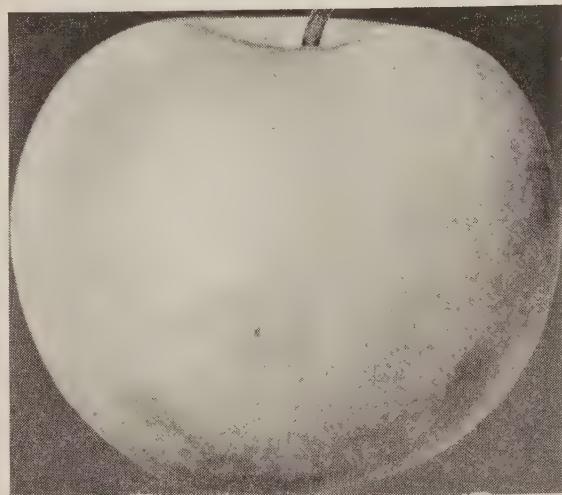
## WINTER APPLES

**ARKANSAS BLACK.** October. Fruit medium to large; beautiful dark color, almost black; flesh yellowish, slightly subacid; crisp and of good flavor.

**BLACK BEN DAVIS (Gano).** October. The best Apple of the Ben Davis type, and far superior to any of the various kindred sorts. Large; color solid deep red. Trees vigorous and productive. A profitable market variety.

**DELICIOUS.** October. Fruit of good size; oblong, tapering to calyx, with five protuberances around calyx, which is deeply set; dark red, blending to a golden yellow at blossom end; fine-grained, juicy, slightly acid, melting, truly delicious. A splendid market Apple.

**GRIMES' GOLDEN.** September and October. Medium to large; rich golden yellow; flesh tender, mild subacid. Tree hardy, vigorous; an early and abundant bearer. Considered the finest winter Apple.



Yellow Transparent Apple

## WINTER APPLES, continued

**STAYMAN WINESAP.** October. Dark rich red, indistinctly striped; flesh firm, fine-grained, crisp, rich, juicy and tender, of best quality. Tree strong grower, productive, and a favorite for home and market.

**YATES.** October. Fruit small; dark red with small white dots; skin thin and tender; flesh crisp, juicy and of finest flavor. It is a fine keeper, and throughout the Cotton States we regard it as the best all-round Apple for home use and marketing.

**YORK IMPERIAL.** September and October. At its best from January until April. Large; greenish yellow, nearly covered with bright red; flesh tender, juicy, aromatic. Heavy bearer and fruit keeps well.

**WINTER BANANA.** October. Fruit large; golden yellow, tinted red on sunny side; flavor like banana, rich and spicy.

## CRAB-APPLES

**TRANSCENDENT.** August and September. Fruit large for its class; golden yellow, with a beautiful rich crimson cheek; when ripe the red or crimson nearly covers the fruit; flesh creamy yellow, crisp, subacid, pleasant flavor. Good grower and very productive.



Crab-apples



Mayflower



Hiley



Elberta

## Popular Peaches for Southern Planting

Here is another fruit that ought to be in every garden. The trees will grow in a small space and yield freely if taken care of properly; and it is not a great job to give them the right care. Peach trees bear when small—often some fruit the second year after planting.

Peaches will do well on almost any soil that has good drainage, regardless of character or color, but if very poor, fertilizing will bring the trees along. There is no material difference which way it slopes. The care given the trees is the main factor that makes for success or failure.

In planting a small orchard, we recommend the same plan as for apples (see page 18). The orchard should be planted to cotton, peas, beans, peanuts, etc.; never plant corn or small grain in the orchard.

Careful, frequent, clean culture is necessary for young trees; for old orchards, cultivate clean and often until early June, and then let a coat of grass come on to hold the soil together. For bearing orchards, applications yearly of bonemeal, 6-8-6 guano, or acid and cotton-seed meal should be given in the spring and worked in; the amount to use will vary with the condition of trees and quality of the land.

Where trees set a heavy crop of fruit it should be thinned after danger of frost is past; the best orchardists do this, as it pays in fine large fruit.

Spraying is necessary for Peaches if best results are desired. Ask your State Entomologist to send you a Bulletin giving full instructions. The Department will also tell you where to get machines and materials.

### VERY EARLY PEACHES

**MAYFLOWER.** Semi-cling. May 20 to 25. The earliest Peach known, but blooms late and is seldom damaged by frost. Size medium, round; bright red all over; ripens well to the seed; tender, juicy, and of excellent flavor. Tree bears young and is very prolific.

**MIKADO.** A new introduction. A large yellow Peach, semi-cling, of excellent eating quality. A real "peachy" Peach, but bruises too easily to be shipped successfully. Ripens just after Mayflower.

### SECOND-EARLY PEACHES

**EARLY ROSE.** Semi-cling. Middle of June. Fruit beautiful brilliant red all over; flesh fine-grained, tender, and of best quality. Tree vigorous, hardy, and an early bearer. Tends to overload and should be thinned; where this is done, the most beautiful Peaches can be grown. They carry well.

**GREENSBORO.** Semi-cling. June 1 to 10. Large for so early a Peach; beautifully colored light and dark red, shaded yellow which makes it a great beauty; ripens perfectly to the seed from which it parts cleanly when fully ripe.

## SECOND-EARLY PEACHES, continued

**RED BIRD (Early Wheeler).** Cling. Early June. A large and beautiful Peach. Only fair eating quality but stands shipping well and generally brings top prices on the markets.

## EARLY SUMMER PEACHES

**CARMAN.** Semi-cling. June 20 to 30. Of good size; yellowish white, dotted and flushed with red; excellent flavor and quality. Bears young, fruits heavily, and should be thinned.

**GOLDEN JUBILEE.** Free. Late June. A rather new variety introduced by the New Jersey Experiment Station. A yellow free-stone similar to Elberta, but much earlier—in fact, earlier than Hiley. We have tested it thoroughly and recommend it for home or orchard planting.

**HALE HAVEN.** A most popular introduction. A handsome yellow-fleshed, red free-stone Peach ripening between Golden Jubilee and Hiley. A heavy producer with a deliciously sweet flavor. Recommended for either home or commercial plantings.

**HILEY (Early Belle).** Free; white-fleshed. July 1 to 5. Fruit of good size; dotted pink on under side and brilliant red next to sun. Quality the best of its season and surpassed by few Peaches of any season. Handles and carries well and is splendid for all purposes. Fruit should be thinned early in May.

**SULLIVAN ELBERTA.** We consider this the finest of all the new Peaches. Exactly like the regular Elberta, with all its virtues and all its faults, but ripens a week or ten days earlier, right after Hiley.

**EARLY HILEY.** June 20 to 25. Of exactly the same fine quality as Hiley, but ripens about ten days earlier.

## MIDSUMMER PEACHES

**BELLE OF GEORGIA.** Free. July 5 to 15. Very large; skin faint pink, rich red in sun; flesh fine-grained, white, tender, and of best quality. A fine all-round midsummer Peach.

**CHINESE CLING.** Cling. July 20 to 25. A favorite of large size; creamy white, with beautiful blush; flesh high quality.

**ELBERTA.** Free. July 10 to 25. Large; skin reddish yellow, faintly striped with dull red; flesh yellow, of good quality. Tree is vigorous, hardy, and long lived. As many Elbertas are grown in Georgia orchards as all other varieties combined.

## MIDSUMMER PEACHES, continued

**INDIAN.** Cling. August 1 to 10. Medium, round; dingy red with red veins; flesh dull red.

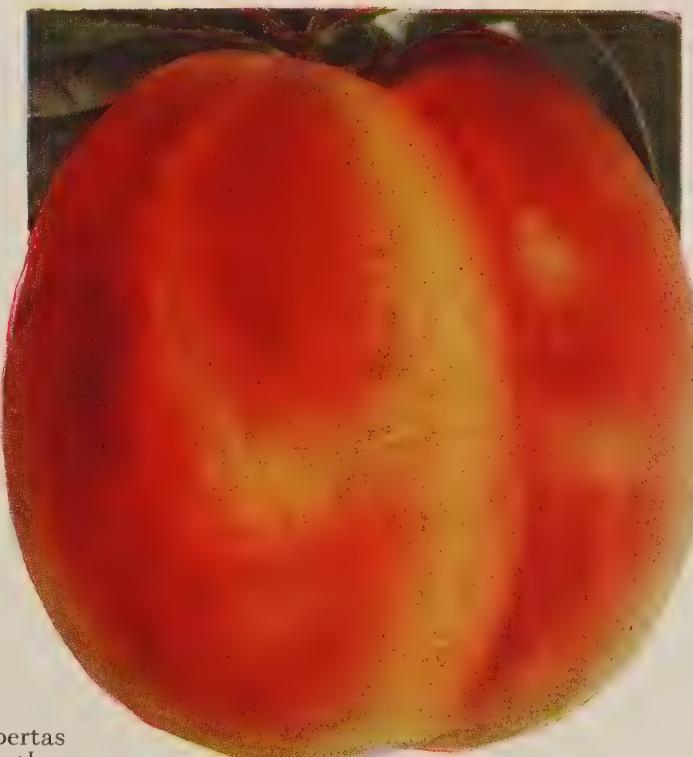
**J. H. HALE.** Free. Late July. Nearly round; skin yellow with glowing red on upper side and very little fuzz; flesh yellow, of good quality. Red lands are recommended for this Peach.

## AUTUMN PEACHES

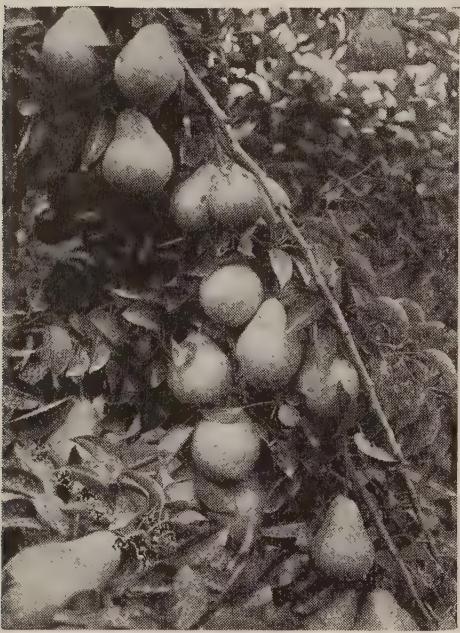
**WHITE ENGLISH (Heath Cling).** Cling. Latter part of September. Of good size; skin between white and yellow; flesh white, firm, fine-textured, juicy, and of excellent flavor.

### Fruit Trees a Safe Investment

There is an increasing demand for fruits—good fruits. For more than a decade the fruit market was almost stationary. In most parts of the country orchards were utterly neglected, and younger orchards were only partially cared for. All this meant smaller crops, and a greatly reduced quantity of quality fruit. During the past two or three years the demand has increased, and the trend is upward. Land should now be put into an orchard of peaches or apples. Light inter-cropping ought to pay all carrying charges until the trees come into bearing. You then have a safe and profitable investment.



J. H. Hale Peach



Bartlett Pears



Pineapple Pear

## PEARS *from June to October*

**Y**OU can have fresh Pears for six months or longer if the right sorts are selected. First they come fresh from the tree; then from those that have been stored in a cool place. Bartlett, Koonce, and Kieffer are excellent varieties for the hill and mountain sections; Kieffer, Pineapple, and Le Conte for the lower hill and sandy sections. Kieffer and Pineapple should be allowed to ripen on the tree, getting light waxy yellow; then store in a cool place for a week or two.

Pears begin bearing two to three years after planting, depending on variety and attention they get. They grow best on moist, rich lands, but are more subject to blight where growth is vigorous and heavy, so it is best to give them just average lands and not push them too fast. Where blight appears, cut out and burn it promptly, keeping saw or knife thoroughly disinfected with creosote, carbolic acid, or other disinfectant. Careful and thorough pruning will do much to lessen this disease.

In planting Pear trees, head them back near the ground and cut back a year or two, so tree will be in reach of the sprayer and so the fruit can be picked easily. Pears should be well sprayed for rot and worms.

**BARTLETT.** August 1 to 15. Large; yellow, with a soft blush on the sunny side; flesh white, exceedingly fine-grained and buttery, sweet, very juicy, with a highly perfumed, vinous flavor. Trees begin to bear large crops while still young. Justly esteemed one of the best Pears in cultivation and deserves a place in every collection.

**KIEFFER.** September and October. Fruit large, dotted yellow, with dull crimson where exposed to sun. Let hang on tree until fruit takes on a faint waxy light yellow. Gather and store in a cool place without bruising, and in a week or ten days you will have as fine fruit as you would wish for, and Pears that will bring a good price in any market. Tree makes an upright growth, and its large glossy leaves make it quite ornamental.

**KOONCE.** Middle of June. Fruit medium to large; surface yellow, one side covered with bright carmine; flesh of good quality, spicy, juicy, and sweet. Very productive and the best early Pear.

**LE CONTE.** Middle to last of July. Fruit large; skin greenish yellow; flesh white, melting, of medium quality. Excellent for evaporating and canning.

**PINEAPPLE (Chinese Sand Pear).** October. Large, handsome fruit with odor resembling the pineapple. Fairly good quality, with crisp, coarse flesh. Especially fine for cooking or canning. Tree is a vigorous grower and heavy bearer. Adapted to either dry sandy soil or moist land. So far it has proved entirely blight-proof. Largely planted commercially in the lower South.

## QUINCE

A tree known by its crooked branches and large, bushy head. Not grown as freely as it should be, for the ripe fruit has a ready market at a good price and is ideal for preserving. The fruit is large, somewhat irregular in form, bright golden yellow, and of excellent flavor. Ripens in September.

## APRICOT

**GOLDEN.** July. Fruit pale orange, juicy, and sweet. Resembles a peach but is smaller. Tree a rapid grower and bears heavily, if protected from spring frosts.

## FIGS

Figs do well almost everywhere in Georgia and the other Southern States. No family in the South should be without at least a few trees of this delicious fruit, rich in nutriment and with the health-giving properties of fruit and vegetables. Figs require but little cultivation, which should always be shallow, as the roots run very near the surface.

**BROWN TURKEY.** Medium size; brown; sweet and of excellent quality. Tree very prolific, and one of the hardiest and best sorts. Ripens from June to October. Trees begin to bear at two years.

**BRUNSWICK.** Very large; purple; quality fair. Magnificent in appearance.



Brown Turkey Figs



Mulberries

## EVERBEARING MULBERRIES

Few people know the value of this wonderful and prolific fruit. For poultry and hogs there seems to be nothing better. Some growers claim that one tree is worth a barrel of corn each year, while the care and space it requires is much less. The trees commence bearing when very young—usually in full bearing the fourth year. Fruit commences to drop in May and continues several months. We offer only the "Hicks," which is by far the best of all varieties.

## PERSIMMONS

**JAPANESE.** Fruit very large, deep yellow, usually without seed, and is edible throughout. Of excellent flavor when ripe. Tree a moderate grower, never reaching large size like our native Persimmon. Begins bearing in two to three years, and often fruits heavily in the nursery. Succeeds well as far north as Macon, Montgomery, and Meridian, and has been grown with some success as far as Virginia and middle Kentucky. Fruit should be picked before frost is expected.

## POMEGRANATES

The fruit is large, oval, with crimson blush on side exposed to the sun; juicy, and excellent in flavor. The growth is that of a large shrub or small tree, very graceful in form and foliage, producing a profusion of strikingly brilliant and lovely scarlet flowers. It bears when young, is prolific, and the fruit possesses a fresh crispness, delicacy, and sprightliness of flavor much esteemed by many. It should be more generally planted.

## PLUMS

Plums are among the most satisfactory fruits. They usually bear the second year after planting and are very prolific. Those offered in our list are among the best that are grown. Plums should be sprayed for brown rot and curculio, and borers should be taken out and kept out of the roots. Plant on well-drained lands, the higher the better. Heavy crops of fruit should be thinned as soon as danger of frost is over; this can be done any time during the spring. Thinning makes larger fruit and leaves the tree in shape to bear another crop the next year. Plant and fertilize same as for peaches.

**ABUNDANCE (Botan).** June 20. Fruit bright yellow, almost covered with red; flesh yellow. Growth erect, slightly spreading. Leaf broad, glossy, and green, making it desirable for yard or lawn.

**BURBANK.** July 10. Fruit medium size; yellow, overspread with red, with lilac bloom, yellow dots small and numerous; flesh firm, yellow, quality good. Habit spreading; tree healthy, rapid grower and vigorous.

**GOLD.** A fine yellow eating Plum. A mid-season yellow-fleshed sort originated by Luther Burbank.

**RED JUNE.** June 10. Fruit large, conical, with deep stem cavity; deep coppery red, almost purple when thoroughly ripe; flesh yellow, juicy, firm, sweet or slightly sub-acid; stone small. Enormously productive. The earliest large-fruited market variety and of excellent quality.

**WICKSON.** July 20. A well-known variety. Fruit enormous, pointed; light red; flesh yellow, meaty, firm, of best quality. An upright tree bearing good crops. A variety everyone should have.

## CHERRIES

The Cherry succeeds well through the northern half of Georgia, Alabama, Mississippi, and Carolina, but farther south it is rather uncertain. The varieties listed have proved to be the best for this latitude.

**BLACK TARTARIAN.** May and June. Fruit large, almost black, tender, sweet, and of best quality. A general favorite with all members of the family.

**EARLY RICHMOND.** May and June. One of the most satisfactory varieties for the South. Fruit of beautiful dark red color; pleasantly acid, of good quality.

## BUSH FRUITS

**ST. REGIS RASPBERRY.** Everbearing Red. Large fruit ripens in four to five weeks. Superior for home gardens.

**ELDORADO BLACKBERRY.** Glossy black fruits with soft center. Popular for home gardens and in all markets.

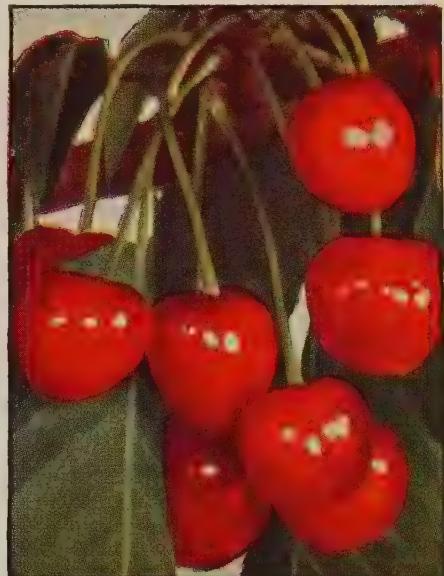
**BOYSENBERRY.** A new fruit resembling the Blackberry but much larger and has a

distinct and pleasing flavor. Berries 2 inches or more in length; heavy bearing. A good berry for the South. Very hardy and practically drought resistant.

**YOUNGBERRY.** Similar to the Dewberry, but more productive. Fruits sweet, needing no sugar. Extra fine for home gardens and local market.



Burbank Plums



Early Richmond Cherries



Black Tartarian Cherries

# Home Collection of Hardy Grape Vines



**G**RAPES are about the easiest fruits that a home-owner can grow. The vines need little space and thrive almost anywhere. In a small yard they can be trained over a trellis, on the back porch, or even along a fence. In field-planting, train them to wires stretched between posts. Prune in midwinter to prevent "bleeding," cultivate carefully, and feed well, are the three general rules for success. Scuppernongs need no pruning, but if demanded because of space, do the work in late fall.

Grape-vines should be pruned heavily in the winter, or they will overbear and tax the plant. Each year cut back to a limited number of good canes with only a few buds left on each, and cut off entirely all the remaining canes.

Grapes are usually grown in the field, on two-wire trellises or fences, and are planted 10 to 12 feet apart each way. For home planting, they are often trained on arbors.

**CATAWBA.** Last of July and early August. Red. One of the best old reliable red Grapes. Fruits of unexcelled quality and flavor. Vigorous and productive vine. This has long been the standard red Grape of the East. Keeps better than any other kind.

**CONCORD.** July 20 to 30. Black. Bunch and berries very large; skin thick, blue-black, with bloom; flesh sweet, pulpy, tender; quality good. Prolific and a good grower. The most reliable and profitable variety.

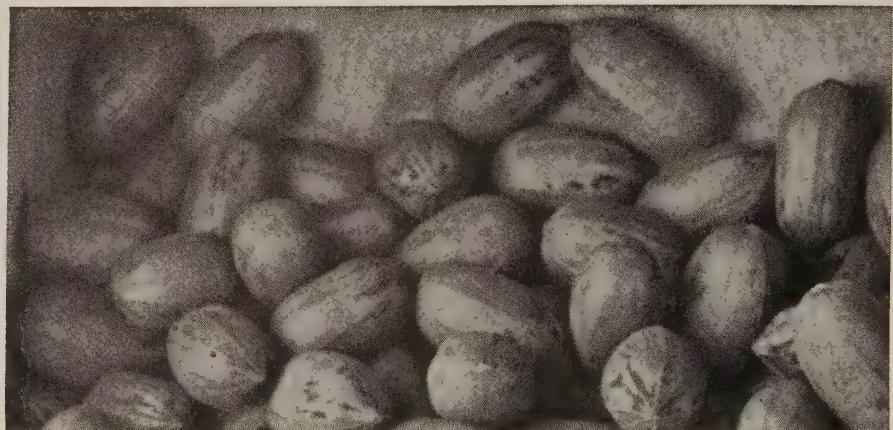
**MOORE'S EARLY.** July 5 to 15. Black. Bunch medium size; berry large, covered with blue bloom; quality good. Among

the best of the early Grapes. Good for home use but profitable also for market because it is a good shipper.

**NIAGARA.** July 15 to 25. White. Bunches and berries large. A very strong plant bearing an early and abundant crop. Excellent quality. The best and most popular of the white Grapes.

**SCUPPERNONG.** A purely southern Grape, free from disease and decay. Large round berries, ripe in August and September. We can furnish them in improved black or bronze types, as introduced by the Georgia Experiment Station, and also male vines. It is recommended that one male vine be planted for each six or fewer vines.

*Pecans  
Provide  
Profit  
and  
Pleasure*



**N**UT TREES, especially Pecans, make good shade trees, and yield wholesome, delicious food. Everybody likes, wants, and plants shade trees. Usually oaks, maples, and the like are used, and are excellent for the purpose, but they provide nothing but leaves. The time is coming, some day, when people will plant shade trees with a view to something more than mere shade; instead of planting mere trees they will sense the wisdom of planting nut trees which yield both pleasure and profit.

There are about 3,000,000 home-owners in the Pecan-growing area who do not have a single tree. There should be a few of these at every home, in the field, yard, garden, or waste places. They make fine shade trees, and bear fruit that is profitable and enjoyable to all. A few good Pecan trees in full bearing will pay taxes and insurance on an ordinary home. They supply delicious and wholesome food for the entire family, as well as cooling shade.

Pecans should be set 60 by 60 to 80 by 80 feet, depending on soil conditions. It is a mistake to plant Pecan or any other nut or fruit trees so they will be crowded in a few years.

There are many methods of planting Pecan trees, but the one we consider the best, of moderate cost and for practical purposes, is as follows: Dig a hole 3 feet across and 10 inches deep; in the center of this dig or spade out to sufficient depth to accommodate the tap-root; a post-hole digger will do for this. Set tree in this hole so that when planting is finished it will stand about same depth as in the nursery; fill in with fine soil and pour in water with it to settle well among the lateral roots. When the bottom of the 3-foot hole is reached, bring up soil over roots in a cone shape. Then put about two bushels of rotted stable manure in the 3-foot opening around tree; cover all with soil, and bank up 6 inches high around tree, to counteract settling, prevent baking and to make culture easy. Planted this way there is no manure in contact with roots, but it will leach into the shallow opening. The tap-root of young Pecan trees is out of proportion to the top, but does not continue in that ratio, but becomes of less importance as the trees grow, and never goes deeper in the soil than do the oak, hickory, or other trees. Pecans have their main feeding roots near the surface, and are therefore easily fed by plowing in legume crops and broadcast fertilizers.

It is not common to cut back Pecan trees in planting, but it helps them to live to do

so, and the lower you cut the better they live. Rub off and keep off all sprouts except three or four at the top. When trees begin to grow, stir the ground around them with a hoe after every rain. After the first year, apply fertilizer liberally and plow in; don't place it too close to tree, and get farther away each year. Clean culture is imperative. For bearing trees, guano is excellent.

**MOORE.** Nuts fairly small, but of excellent quality. Bears young and produces more pounds of nuts per tree than any other standard variety.

**STUART.** Large to very large; shell of medium thickness and cracks well. A heavy bearer and good grower.

**SCHLEY.** Medium to large; very thin shell with pointed ends; meat plump and of best flavor.

## WALNUTS

**JAPANESE. *Juglans cordiformis*.** The best variety. Begins bearing in three to five years. It is a rank and vigorous grower, immensely productive, and makes an ornamental as well as a good shade tree. Nuts are medium size, pointed, usually heart-shaped, and borne in clusters of ten or more; of excellent flavor and one of the most desirable of the entire nut family. Shells are rather hard, but by setting them on edge and not striking too hard they will break open in halves and the meat comes out whole. Perfectly hardy through the southern half of the United States.

# *Helpful Hints for Fruit-Growers*

## The Best Kind of Trees to Plant

Medium-sized, thrifty, one-year-old trees are by far the best for all purposes. Old or overgrown trees should be carefully avoided. In taking up such trees it is impossible to avoid cutting off a large part of their roots, and in transplanting it is necessary to cut the tops back in proportion, to make it live. The result is a post, which cannot be expected to grow off like a medium-sized tree, with practically all its roots and most of its body. A smaller tree can be cut high or low, as desired, and trained in the required shape. Large trees do not come into bearing any earlier than smaller ones. Very small trees should also be avoided.

## Planting

Cut back one-year-old trees to 2 to 3 feet. Two-year-old trees should have branches cut back to within 3 to 4 inches of main stem. In planting a market orchard, trees should be cut still lower, so head will be in reach of sprayer and gatherer of fruit. When growth begins, leave 3 or 4 shoots as evenly divided as possible; as these grow, train to make an open head to let in sun and air.

If a large orchard is to be planted, check off rows with stakes or a plow; plow these out with a turning plow, making 3 to 6 furrows to a row, depending on size of trees to be planted. If large trees are to be planted, follow turning plow with sub-soiler. Where trees are to stand, throw in a liberal supply of rotted stable or lot manure, or cotton-seed meal, and stir well into soil; set tree on this mixture and fill with soil, tramping tightly with foot. In case hot manure, as fresh stable manure, is to be used, put it on top of ground after tree is set, and gradually work in soil with cultivation. Where a dozen or more are to be planted, mark off places and dig a hole 3 feet wide and 1 foot deep; fill half full of top-soil; then add a liberal supply of rotted stable or lot manure or cotton-seed meal, or rotted cotton-seed; stir in well with soil and set in tree, and fill in with soil, pressing down lightly with the foot. If soil is dry when planting, use water liberally just as roots are partly covered with soil; in this condition water will settle soil among roots as well as keep them moist.

Never use caustic manures about roots of trees in planting, as it will kill them; this can be applied later and worked in soil.

Stake firmly, and protect from rabbits. Remove all labels, wire, and cords. Cultivate often with plow and hoe and keep clean.

The above directions will apply to all fruit trees and grape vines, and the same principle applies to all trees and plants:

i. e., prepare ground well; fertilize under and around the roots liberally, with manure that has no burning qualities; then frequent, clean culture assures success.

## Culture, Fertilizing, Etc.

In planting fruit or nut trees, grapes or other plants, it is necessary to fertilize if a quick, rapid growth is desired.

To be most effective, the fertilizers should be under and around the roots, and therefore applied before tree is planted.

In selecting a fertilizer to put under and about the roots of trees, it is necessary to use such as have no caustic or burning qualities.

Rotted stable or lot manure is excellent; cotton-seed meal or rotted cotton-seeds are also good. So is bonemeal.

This should be applied freely and stirred well in with the soil, and the tree set on it, getting required depth to accommodate tree by filling in with or taking out a little.

After trees are planted and start to grow, clean and constant culture is needed to keep the tree growing freely. Growth can and should be kept up all spring and until late in the summer.

While trees are young, and until fruiting time comes, push them for heavy growth, which can be done by applying fertilizers and plowing under.

After the first year, and thereafter, any kind of fertilizer may be used to advantage, but one thing must be kept in view, i. e., for peaches and plums in bearing, heavy doses of ammonia should be avoided, as it will make watery, poorly colored fruit that will not keep or carry.

For bearing peach and plum trees, acid phosphate and potash are best, but where soil is very poor, a little ammonia may be added to good advantage.

For apples and pears a balanced fertilizer is best, as stable manure or 6-8-6 guano.

## Spraying

The importance of spraying can hardly be overestimated. Write your state plant board for spray calendars and formulas.

### Plants to an acre at given distances apart:

8 x 8 ft.	545
10 x 10 ft.	435
12 x 12 ft.	302
16 x 16 ft.	170
20 x 20 ft.	108
22 x 22 ft.	90
	80 x 80 ft. .... 9

### Proper distance between trees:

Peaches, plums, and apricots	20 to 25
Apples, pears, persimmons	20 to 35
Figs	12 to 16
Grape Vines	8 to 10
Blackberries, Youngberries, etc.	6 to 8
Pecans	60 to 80

# ROSES *The South's Most Beautiful Flowers*

**A**GARDEN of Roses will give you more real joy than any other flowers you can grow. That's a broad statement, but you just ask anyone who has grown Roses and given them the little care they need—for you can't expect them to do well if you stick them in the ground and forget them. They must be fed, given a good deep drink of water in dry weather, the soil kept loose, and sprayed or dusted to control insects and leaf-diseases. Your reward will be blooms from early spring to late November.

Any plant-food that is not too caustic is all right, as rotted lot or stable manure, cotton-seed meal, dried blood and tankage; fertilizers can be had from fertilizer dealers anywhere.

In planting 2-year field-grown Roses, they should be cut back at least half their length; later on pruning may be done, if desired to keep in shape, but it is not a necessity.

Our plants are 2 years old and have bloomed all summer in the nursery; some varieties are not as vigorous growers as others, but in all such cases they compensate with wonderful blooms; in fact, some of the finest Roses are not strong growers.

The varieties we offer are the best we can find, taking all qualities into consideration—growth, habit, flowers, etc., and they will please where given attention.

## BUSH VARIETIES

**AMI QUINARD.** One of the very darkest of all red Roses. The buds appear practically black and open to richly colored, semi-double flowers of crimson-maroon. The petals are soft and velvety. The bloom is of medium size and has rich old-time Rose fragrance. Upright, sturdy plants that branch well. An outstanding dark, *dark red*.

**EDITOR McFARLAND.** Clear bright sparkling pink in color. Among its best features is the fact that it holds its graceful form and pleasing color very well when cut. Long buds on good stems, opening to deep pink; sweet fragrance. Healthy plants, blooming abundantly. A splendid cutting Rose.

**KAISERIN AUGUSTE VIKTORIA.** An old-time Rose that has been in existence for more than fifty years. Although it is by no means a novelty, the fact that it still competes successfully with new varieties proves its worth. Buds are soft cream color; open blooms are snow-white with a lemon tint in the center. Fragrance adds to its charm. Medium upright growth.

**LUXEMBOURG.** This is another rather old Rose that is still holding its own in the face of strong competition from newer varieties. It bears large, pointed flowers of coppery yellow, deeper in the center. Soft bronze-colored foliage on a vigorously spreading plant. Slightly fragrant.

**MRS. CHARLES BELL.** A member of the Radiance family of Roses. Just as vigorous in growth and free in bloom as Radiance and Red Radiance, but the blooms are of delicate salmon-pink. Any gardener can depend on this variety for a continuous supply of flowers for cutting. The color is unique and always welcome.

**RED RADIANCE.** This is a wonderful red sport of the famous Radiance Rose. The large, globular flowers are very freely produced all summer long. Stems are extra

strong. The color is not scarlet but a rich rosy red. Abundant, disease-free foliage on a most vigorous plant. Red Radiance and Radiance together make a team sure to please anyone who wants to have plenty of bloom.

**SISTER THERESE.** An always-dependable yellow Rose with an individuality all its own. The buds are long pointed and of chrome-yellow marked carmine. The open bloom is rich daffodil-yellow. Sweetbriar fragrance. The flowers are carried upright on strong stems with good foliage. Very sturdy in growth, with 3-foot canes.

## CLIMBERS

**CL. AMERICAN BEAUTY.** The large, double, fragrant blooms of deep rose-pink or light crimson are carried on long stems. A profuse bloomer early in the season. Plant extra strong and healthy. Deservedly popular.

**MARY WALLACE.** Large, cup-shaped flowers of very bright pink with a golden suffusion. Moderately fragrant. The plant is a very strong grower reaching 10 to 15 feet in height and has very decorative foliage.

**PAUL'S SCARLET CLIMBER.** This is the bright scarlet-red climbing Rose that you see everywhere. It is often the only Rose grown in a small dooryard, and yet any formal garden is incomplete without it. The flowers are carried in large clusters and the plant is a heavy bloomer. Plant Paul's Scarlet for thorough satisfaction.

**SILVER MOON.** An exquisite white climber. The flowers are extra large in size and almost single, rather saucer-shaped. Petals are silvery white and a crown of golden anthers shows in the center of the bloom. Very strong growth reaching 15 to 20 feet in a season.



ROSE, RED RADIANCE



## Here Are Helpful Suggestions for

**N**O WISE artist would hang a picture in a public gallery without a frame, if such picture was to remain on exhibition over a long period of time. Yet daily we see houses on which the architect has shown his talent and the builder his skill, standing in open spaces, without a shrub or vine or tree to relieve the deadly dullness of the scene.

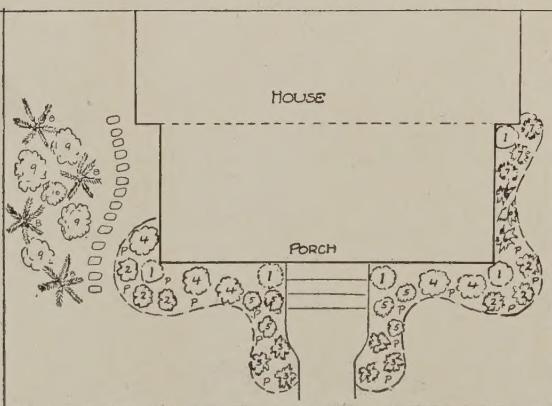
There are several practical principles of landscaping to which we invite your attention. The first of these is to "tie" the house to the ground with a planting of shrubs or evergreens around the foundation. Such a planting, whether of low evergreens or flowering shrubs, will break the sharp angle formed where the house meets the ground. The height of the planting should never obscure or cover the windows, but in corners or on sides where there are no windows a planting of taller forms may be used, with the more dwarf forms massed in front.

The lawn should be left open, grouping shrubs or evergreens around the open space to give it a distinct outline. Avoid stiff, straight, formal lines in the border. You can get the irregular effect by laying a garden hose or rope on the ground, bending it to get the desired curves, which will make a small lot look larger. The diagram below will give you a hint. The open lawn permits everyone to enjoy the beauty of your grounds.

Color must be considered in every planting, and on the harmony of color in the planting depends much of the final beauty of the landscaping. Evergreens, the final beauty of landscaping, are now obtainable in a wide variety of colors which are distinctive

as well as ornamental. Varieties suitable for most any location may easily be chosen, but selections must be made judiciously in order to preserve the harmony of the design. Flowering shrubs can be had in such a variety of colors and blooming periods that by intelligent selection they can be made to provide a succession of colorful bloom for the entire season.

*This diagram is planned for a wide porch. The figures represent (1) tall evergreens, like American Arborvitæ; (2) low evergreens, like Pfitzer's Juniper or Globe Arborvitæ; (3) and (4), Spiny Greek Juniper or Prostrate Juniper.*





## Landscaping Your Home - Grounds

ILLUSTRATED on these pages are two actual plantings where Coniferous Evergreens and Flowering Shrubs were used to produce plantings that are distinctly ornamental. The material selected provided a planting in which there has been attained a harmony of shape and color, with material that is planned in proportion to the size of the home. The main effort in both instances has been to obtain a simplicity in the planting which would harmonize with the dignified design of the house. Broadleaf Evergreens are fully as useful as the Flowering Shrubs; in fact, they have one added advantage—that the foliage remains bright and cheerful all the year.

Flowering Shrubs can be made into beautiful plantings and are often greatly preferred because of their fragrant, colorful flowers. They can be used to make an entire front foundation planting, or advantage may be taken of their pleasing combination with a few ornamental Evergreens. The great number of forms of Evergreens and Shrubs may be altered to include any of the many varieties listed in this Catalogue. We shall be pleased to have you write us for assistance in planning your grounds.

### The Outdoor Living-Room

Much has been heard, in recent years, of the Outdoor Living-room which is really nothing more than the old, neglected back yard transformed by plantings of grass, ornamentals, and shade trees into a beautiful area where you and family may enjoy the privacy and rest of inviting outdoor surroundings without the noise and smoke of the street. Shrubs form the walls, while shade trees and the blue sky form the ceiling. The carpet is of green grass and the decorations can be fragrant groups of colorful flowers. Such a room does not have to be built in one year but can be planted ahead for several seasons and can be made to plans of your own origination, thereby adding to the final pleasure of a real beauty spot in your own home surroundings.



# LANDSCAPING *The Home-Grounds*

See Pages 30 and 31

**SMITH BROS. NURSERY CO.**  
CONCORD, GEORGIA

